

## Daftar Pustaka

- Adams, W.K. & Wieman, C.E. (2010). Development and Validation of Instrument to Measure Learning of Expert-Like Thingking. *International Journal of Science Education*. Vol.1
- Adeleke, A. (2015). Development and Validation of Scientific Literacy Achievement Test to Assess Senior Secondary School Student's Literacy Acquisition in Physics. *Journal of Education and Practice*. Vol.6, No.7.
- Aikenhead, G. S., & Ryan, A. G. (1992). The development of a new instrument: "Views on Science–Technology–Society" (VOSTS). *Science Education*. Vol.76, No.5,p 477–491.
- Arifin, Z. (2012). *Evaluasi Pembelajaran*. Bandung : Remaja Rosdakarya
- Arikunto, S. (2015). *Dasar-dasar Evaluasi Pendidikan Edisi 2*. Jakarta : Bumi Aksara
- Arons, A. B., 1983, Achieving wider scientific literacy. *Daedalus*, Vol.112, No.2, p 91–122.
- Australian Curriculum Assesment and Reporting Authority, (2010). Tersedia online : [http://www.acara.edu.au/\\_resources/ac\\_info\\_learning\\_areas\\_indonesian.pdf](http://www.acara.edu.au/_resources/ac_info_learning_areas_indonesian.pdf)
- Bagiarta *et.al* (2015). Komparasi literasi sains antara siswa yang dibelajarkan dengan model pembelajaran kooperatif tipe GI (Group Investigation) dan model pembelajaran inkuiri terbimbing (Guided Inquiry) ditinjau dari motivasi berprestasi siswa SMP. *E-Journal Program Pascasarjana Universitas Pendidikan Ganesha Program Studi IPA* (Vol.5 Tahun 2015)
- Butler, S. (2006). *A Teacher Guide to Classroom Assessment*. United states of America : Jossey-Bass.
- Cannon, J. R., & Jinks, J. (1992). A cultural literacy approach to assessing general scientific literacy. *School Science and Mathematics*, Vol.92, No.4, p 196–200.
- Crocker, L. and Algina, J. (1986). *Introduction To classical and Modern Test Theory*, New York: CBS Colleg Publishing
- Diana *et.al* (2015). Profil Kemampuan Literasi Sains Siswa SMA Berdasarkan Instrumen *Scientific Literacy Assesments* (SLA). Seminar Nasional XII FKIP UNS 2015

- Deboer, G.E. (2000). Scientific Literacy : Another Look at Its Historical and Contemporary Meanings and its Relationship to Science Education Reform. *Journal of Research in Science Teaching*. Vol. 37, No. 6.
- Ehigie, B.O. (2012). *Psychological Tests and Testing (PSY 503)*. Ibadan: Distance Learning Centre, University of Ibadan.
- Fives, H. *et al.* (2014). Developing A Measure of Scientific Literacy For Middle School Students. *Science Education*. Vol. 4.
- Fleischman, H.L. (2010). Highlights from PISA 2009: *Performance of US 15-Year-Old Students in Reading, Mathematics, and Science Literacy in an International Context*. NCES 2011-2014. National Center for Education Statistics.
- Fraenkel, J.R. and Wallen, N.E. (2008). *How to Design and Evaluate Research in Education (7th ed.)*. New York: McGraw-Hill.
- Gall, M. & Borg, W.R. (2003) *An Introduction Educational Research Seventh edition*.
- Gormally *et.al* (2009). Effects of Inquiry-Based Learning on Students Science Literacy Skills and Confidence. *International Journal fot the Scholarship of Teaching and Learning*, Vol3, No.2.
- Jacobs, L.C & Chase, C.I. (1992). *Developing and Using Tests Effectively*, San Francisko: Jossey-Bass Inc., Publishers.
- Karim, S. (2015). Designing Science Learning for Training Students' Science Literacies at Junior High School Level. *International Conference on Mathematics, Science and Education 2015*.
- Keefe, E.B. *et al.* (2011).What is Literacy? The Power of A Definition. *Research & Practice for Pearsons with Severe Disabilities*. Vol. 35, No.3.
- Laugksch, R. C., & Spargo, P. E. (1996a). Development of a pool of scientific literacy test-items based on selected AAAS literacy goals. *Science Education*, Vol.8, No.2, p 121–143.
- Laugksch, R. C., & Spargo, P. E. (1996b). Construction of a paper-and-pencil *Test of Basic ScientificLiteracy* based on selected literacy goals recommended by the American Association for the Advancement of Science. *Public Understanding of Science*, Vo.5, No.4, p 331–359.
- Laugksch, R. C., & Spargo, P. E. (1999). Scientific literacy of selected South African matriculants entering tertiary education: A baseline survey. *South African Journal of Science*, Vol.95, No.10, p 427–432.

- Lord, T. R., & Rauscher, C. (1991). A sampling of basic life science literacy in a college population. *The American Biology Teacher*, Vol.53, No.7, p 419–424.
- Madu, B.C. Orji, E. (2015) Effects of Cognitive Conflict Instructional Strategy on Students Conceptual Change in Temperature and Heat. *SAGE OPEN*.
- McCright, M. (2012). Enhancing Students Scientific and Quantitative Literacies Through an Inquiry-Based Learning Project on Climate Change. *Journal of the Scholarship of Teaching and Learning*. Vol.12, No. 4.
- Miller, J. D., 1983, Scientific literacy: a conceptual and empirical review. *Daedalus*, Vol 11, No.22, p 29–48.
- Miller, J. D. (1992). Toward a scientific understanding of the public understanding of science and technology. *Public Understanding of Science*, Vol.1, No.1, p 23–26.
- National Research Council. (1996). *National Science Education Standards*. Washington, DC: National Academy of Science Press.
- National Research Council. (2002). *Scientific research in education (Committee on Scientific Principles for Education Research*. In R. J. Shavelson & L. Towne (Eds.), Center for Education, Division of Behavioral and Social Sciences and Education. Washington, DC: National Academy Press.
- National Research Council. (2012). *A framework for K-12 science education: Practices, crosscutting concepts, and core ideas*. Committee on a conceptual framework for new K-12 science education standards. Board on Science Education, Division of Behavioral and Social Sciences and Education. Washington, DC: The National Academies Press.
- OECD. (2015). *PISA 2015 draft science framework*. Framework literasi saintifik PISA 2015 : <http://www.oecd.org/edu/pisa-2015-assessment-and-analytical-framework-9789264255425-en.htm>
- PERMENDIKBUD Tahun 2016 no. 23 Tentang Standar Penilaian Pendidikan.
- PERMENDIKBUD Tahun 2016 no.24 tentang Kompetensi Inti dan Kompetensi Dasar Fisika Siswa SMA
- PERMENDIKBUD Tahun 2016 no.21 Tentang Standar Isi Pendidikan Dasar dan Menengah

- Ridwan et al. (2013). Pengembangan instrumen asesmen dengan pendekatan kontekstual untuk mengukur level literasi sains siswa. Seminar nasional evaluasi pendidikan tahun 2013.
- Rusilowati *et.al* (2016). Developing an Instrument of Scientific Literacy Assessment on the Cycle Theme. *International Journal of Environmental & Science Education* 2016, Vol.11, No.12.
- Siahaan *et.al* (2016). Improving Students Science Process Skills Through Simple Computer Simulation on Linear Motion Conceptions. *Journal of Physics : Conference Series*, Vol. 812, No.1
- Siahaan *et.al* (2017). Implementation of Socioscientific Issues Instruction to Fostering Students Decision Making Based Gender on Environmental Pollution. *Journal of Physics : Conference Series*, Vol. 812, No.1
- Soobard, R. (2015). A Study of Gymnasium Students' Scientific Literacy Development Based on Determinants of Cognitive Learning Outcomes and Self-Perception. *Dissertationes Pedagogicae Scientiarum Universitatis Tartuensis*, Finland. 2015
- Sudjana. (2013) *Metoda Statistika edisi ketujuh*. Bandung : Tarsito
- Wenning, C.J. (2007). Assessing Inquiry Skills as A Components of Scientific Literacy. *Journal Physics Teacher*, Vol.4, No.2
- Werdhiana, K. (2009). Pengembangan Asesmen untuk Mengukur Pemahaman Konsep Fisika Siswa SMA. *Disertasi doctor pada SPS UPI*: Tidak diterbitkan.
- Yeo, Shelley and Zadnik. (2001). Introductory Thermal Concepts Evaluation : Assessing Students Understanding. *The Physics Teacher*. Vol. 39